RFID: Automating Weapons Management

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What is RFID?

- RFID = Radio Frequency Identification
- In short, RFID is Tag + Antenna + Reader + Application
- Capabilities & Advantages:
  - Read-Only and Read-Write Tags
  - Frequencies and read ranges
  - Passive –vs- Active
- The simpler the tag, the cheaper the tag

Why RFID?

- “Better than barcode”
  - Not line of sight
  - More Durable
  - More functionality
- Unique Identifier
  Electronic serial number
- Automation
  Efficiency, process improvement

The Benefits of RFID

- Automatic identification of weapons and equipment
- Rapid authentication of soldiers and armorers
- Information-rich environment, powered by RFID association
- Captures, stores, and correlates detailed information about all system transactions

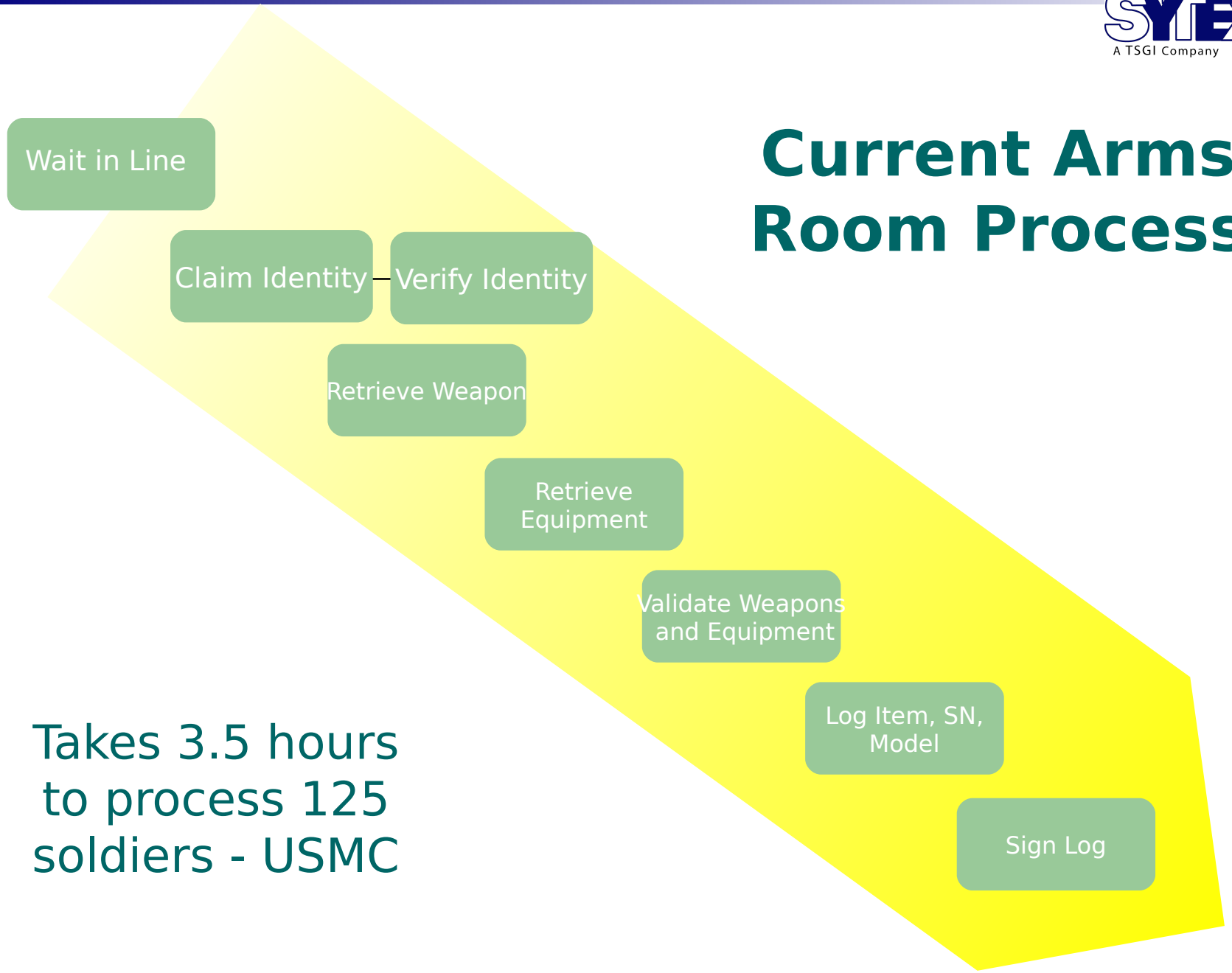
Why Now?

- Technology Maturity
  Costs come down, reliability goes up
- Realization of AIT and TAV
  Straight forward application with clear benefits
- DoD RFID Policy
  …the Giant has been awakened

Today’s Arms Room

- Weapons assignment is slow, cumbersome and inefficient
- Inventory operations are time-consuming and labor intensive
- Entire process is paper-based, complicating the auditing process

Current Arms Room Process



Takes 3.5 hours to process 125 soldiers - USMC

Today's Arms Room

- Name, Rank
- SSN
- Weapon Model, Serial Number
- Cleaning History
- Maintenance Record
- Additional Equipment:
  - NVG
  - Laser Designator
  - NBC Mask

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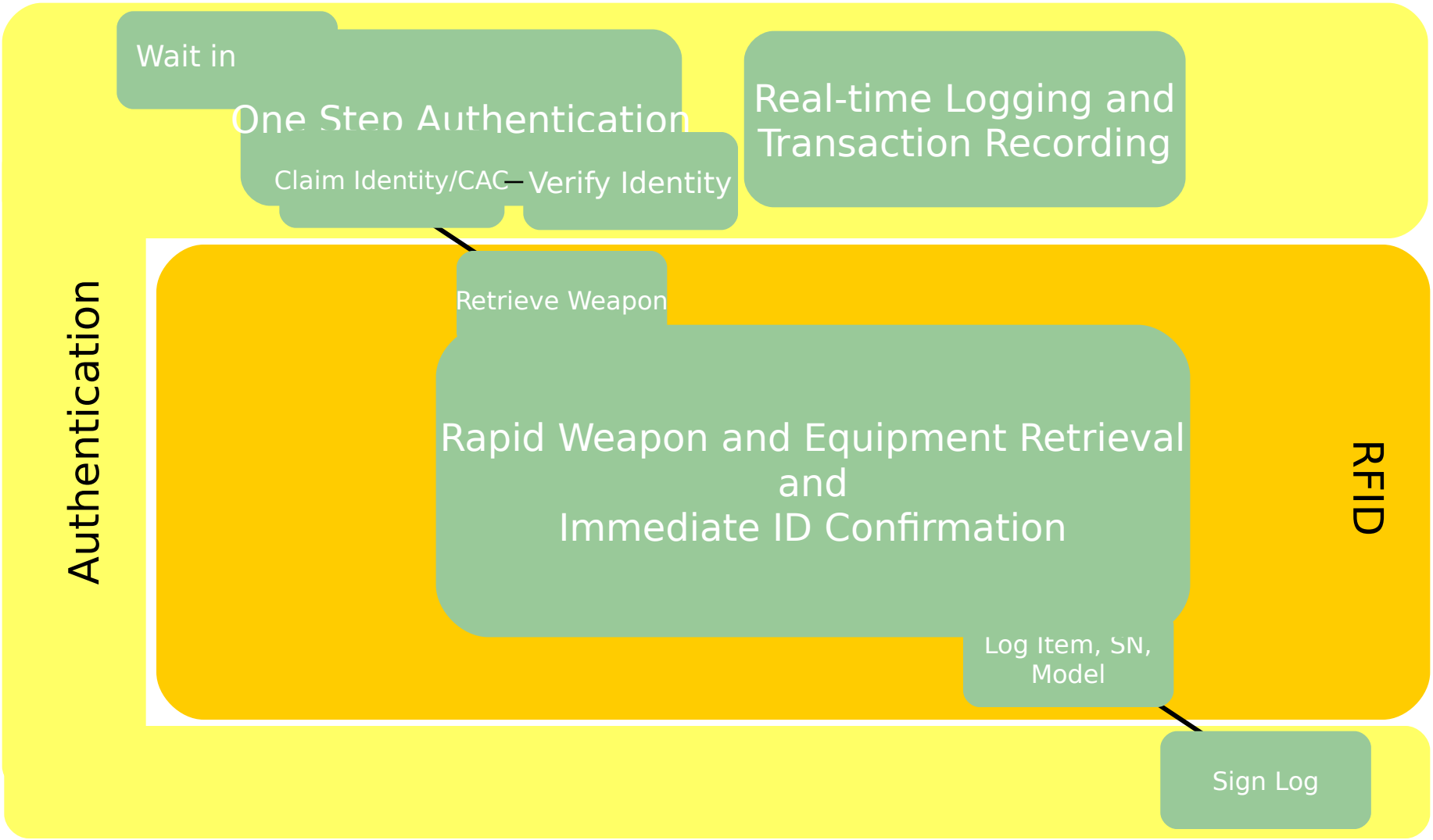
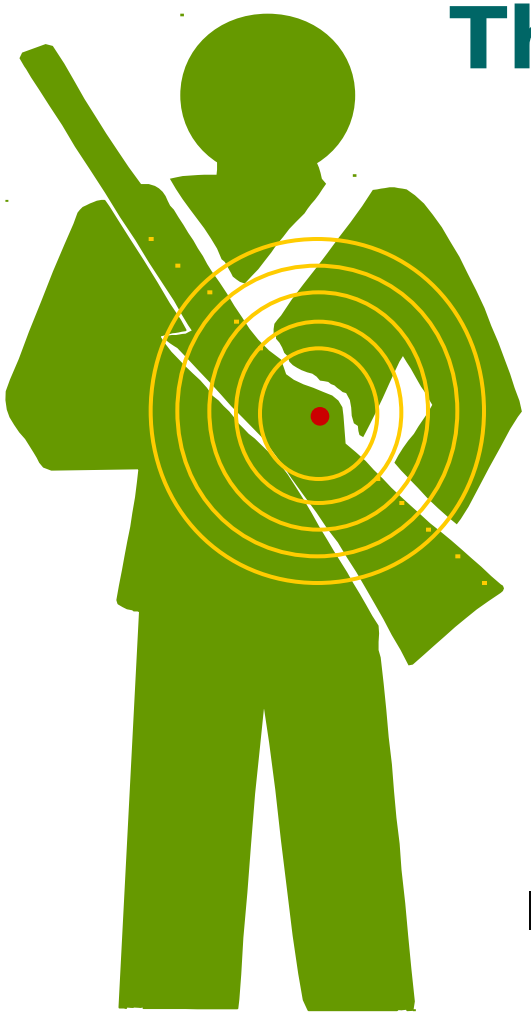
The Automated Arms Room



The Automated Arms Room



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Information is tied together…instantly

RFID is the KEY to Speed and Accuracy

Additional Questions?

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